C-2A Loses Hydraulics

CRM CASE STUDY

NAVY
NAVY
NAVY
110

Question Policy

- … whatever gets us out of here the fastest

Overview

- Objectives
- Critical Skills Review
- Case Study Focus Skill
- Synopsis
- Focus Questions

Objectives

- Terminal Objective
  - At the completion of this case study, the audience will be able to explain the importance of Situational Awareness in aircraft operations.
- Enabling Objective
  - Describe the importance of crew inputs to assure accurate situational awareness
  - Given a set of conditions, recognize how important situational awareness can be in regard to effective crew coordination

Crew Resource Management

- Allows crew to interact effectively while performing mission tasks
- A program to effect behavior modifications in order to prevent human factor and crew preventable errors
- To improve mission effectiveness through increased awareness of associated behavioral skills

CRM Critical Skills Review

- Decision Making (DM)
- Assertiveness (AS)
- Mission Analysis (MA)
- Communication (CM)
- Leadership (LD)
- Adaptability/Flexibility (AF)
- Situational Awareness (SA)

Case Study Focus Skill

SITUATIONAL AWARENESS

- The degree of accuracy by which one’s perception of the current environment mirrors reality

S/A requires that we know

- Who is responsible for specific activities
- What is happening
- When events are supposed to occur
- Where the aircraft is in three-dimensional space

Maintain and/or recover S/A

PAC US UP

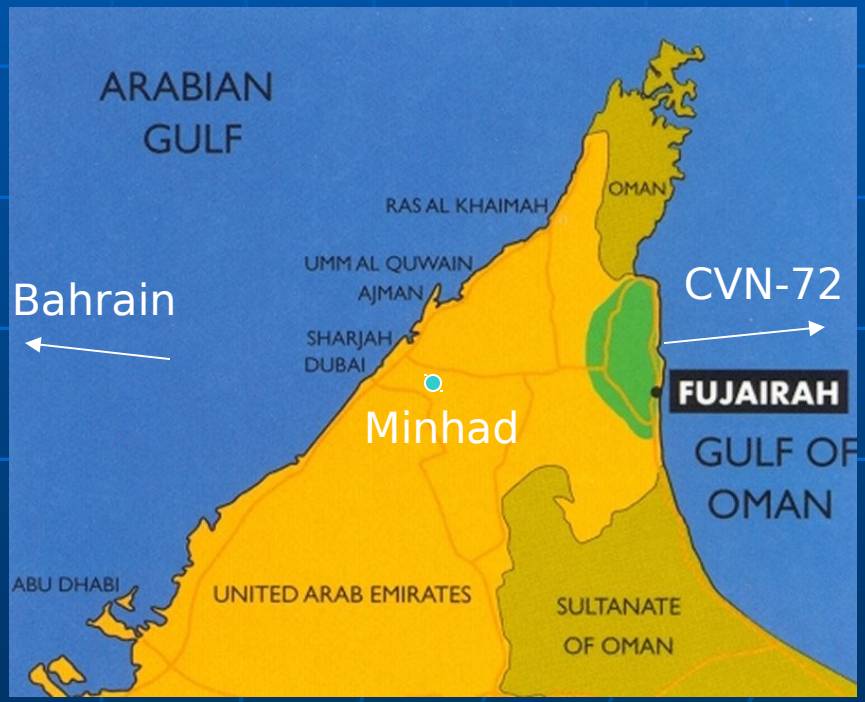
- Prepare through a comprehensive brief
- Acknowledge potential problems
- Communicate
- USe all information sources
- UPdate and revise your flight image

Factors that reduce S/A

- Insufficient communication
- Fatigue/Stress
- Task overload/underload
- Group mindset
- Press on regardless philosophy
- Degraded operating conditions
- Insufficient knowledge

Synopsis

- C-2 heading to CVN-72 in NAS
- Aircraft losing hyd fluid out of both systems, pilots not informed
- Pilots make decision to divert into unfamiliar, foreign field



Focus Questions

- Why did the crew chief not feel the need to inform the pilots of the situation?
- How much do systems and NATOPS knowledge affect your SA in the aircraft?
- If one member is not communicating and has low SA, how does the SA of the entire crew suffer?

Focus Questions

- How did the SA of someone not part of the crew potentially save the day?

Remember

- Situational awareness is a critical factor in our ability to respond effectively to a situation
- Maintaining a high level of situational awareness will better prepare crews to respond to unexpected situations

Questions?